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## REVIEWER'S REPORT

Manuscript No.: **IJAR-53772** Date: Sep 9, 2025

**Title:**
**Challenges in the Marketing of Fish: A Special Focus on Kanyakumari District**

**Recommendation:**
Accept as it is .....
✓Accept after minor revision.....
Accept after major revision .....
Do not accept (*Reasons below*) .....

| Rating | Excel. | Good | Fair | Poor |
|---|---|---|---|---|
| Originality | | ✓ | | |
| Techn. Quality | | ✓ | | |
| Clarity | | | ✓ | |
| Significance | | ✓ | | |

Reviewer Name: **Dr Matin Shakoori** **Date:** Sep 9, 2025

**Reviewer's Comment for Publication.**

The manuscript presents relevant findings on the comparative effectiveness of CRB Advance versus conventional rumen buffers in stabilizing rumen pH and preventing SARA. The study is well-structured, the experimental design is clear, and the results are consistent with the stated objectives.

**Recommendation**: Accept after minor revision

## *Detailed Reviewer's Report*

### Strengths of the Manuscript

1. The inclusion of marine-derived polysaccharides (laminarin, fucoidan) in CRB Advance is innovative and highly relevant, as these compounds have recognized prebiotic and microbial health benefits, which can be of interest not only in dairy but also in aquaculture nutrition.
2. Frequent pH monitoring (every 2 hours over 24 hours) provides high-quality time-series data that clearly demonstrate the prolonged buffering effect, a valuable approach for assessing digestive and microbial dynamics.

### Suggestions for Improvement

1. The experimental design is limited by the very small sample size (only two cows per group), which reduces statistical power. Increasing the number of replicates or repeating the trial would strengthen the validity and applicability of the findings, particularly if extrapolated to aquaculture systems.
2. Beyond pH, additional parameters should be included, such as VFA profiles, lactate concentrations, microbial community analysis, and animal performance indices. Moreover, detailed disclosure of CRB Advance's composition and the sustainability of marine algae sources would improve mechanistic understanding and broaden its relevance to livestock and aquaculture nutrition.